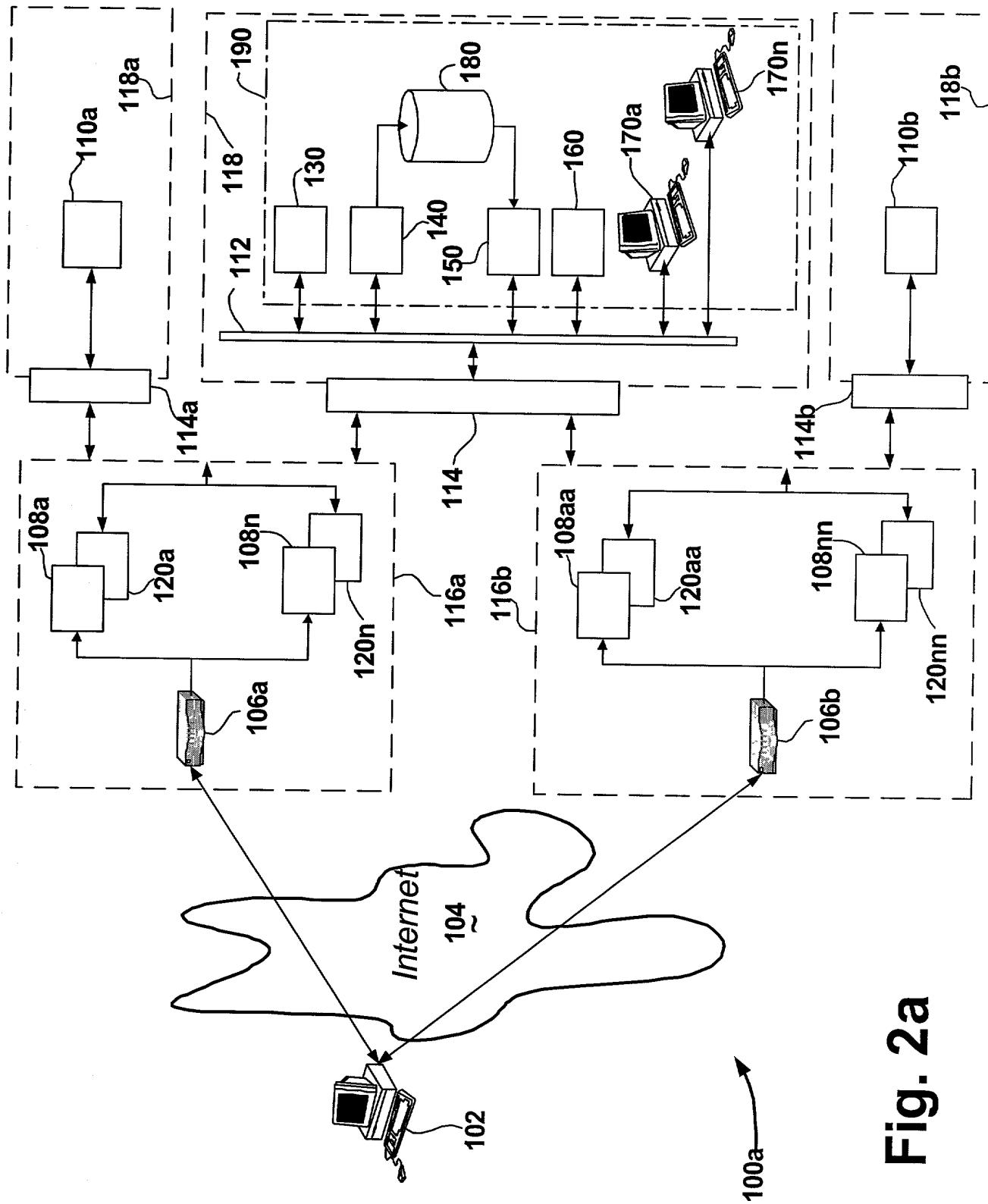
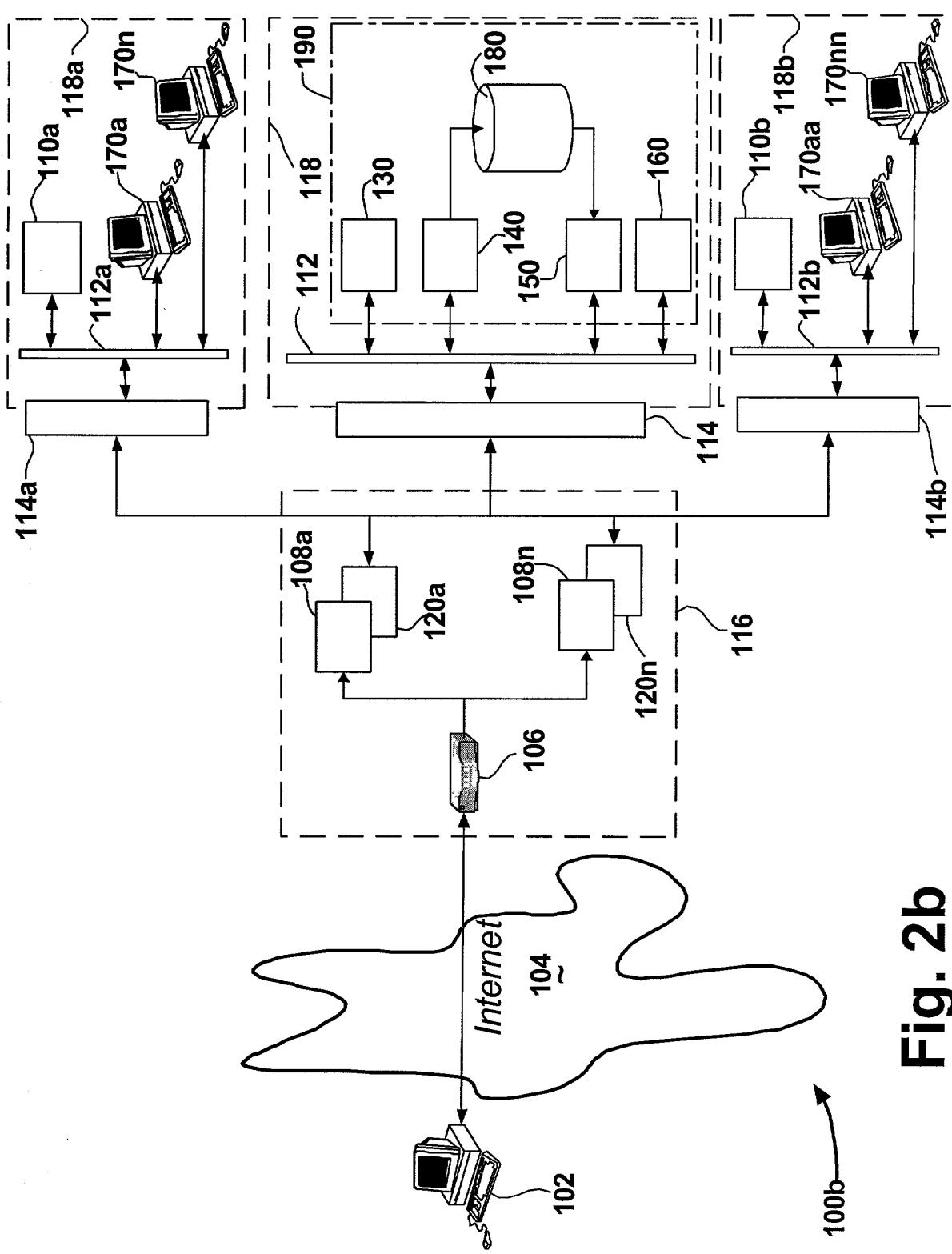


**Fig. 2**

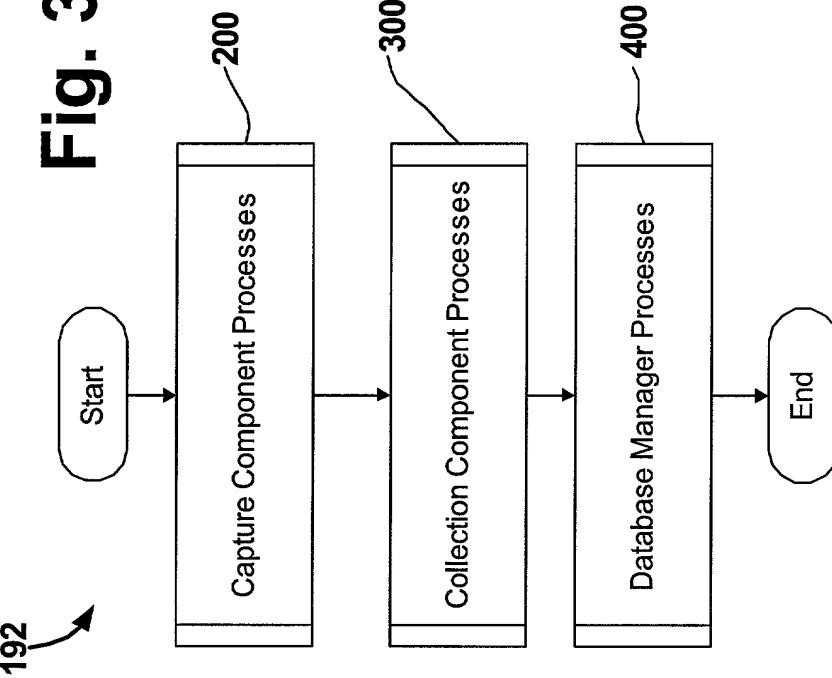


**Fig. 2a**

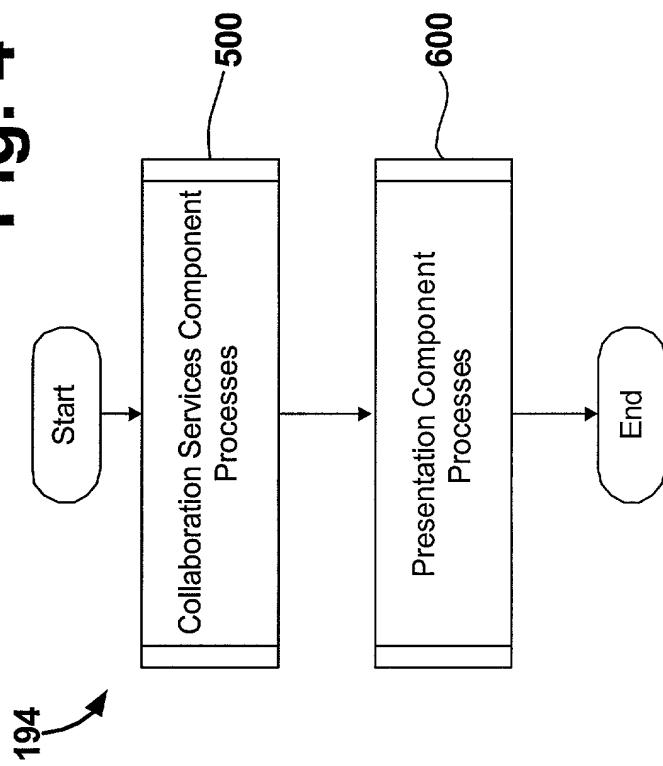


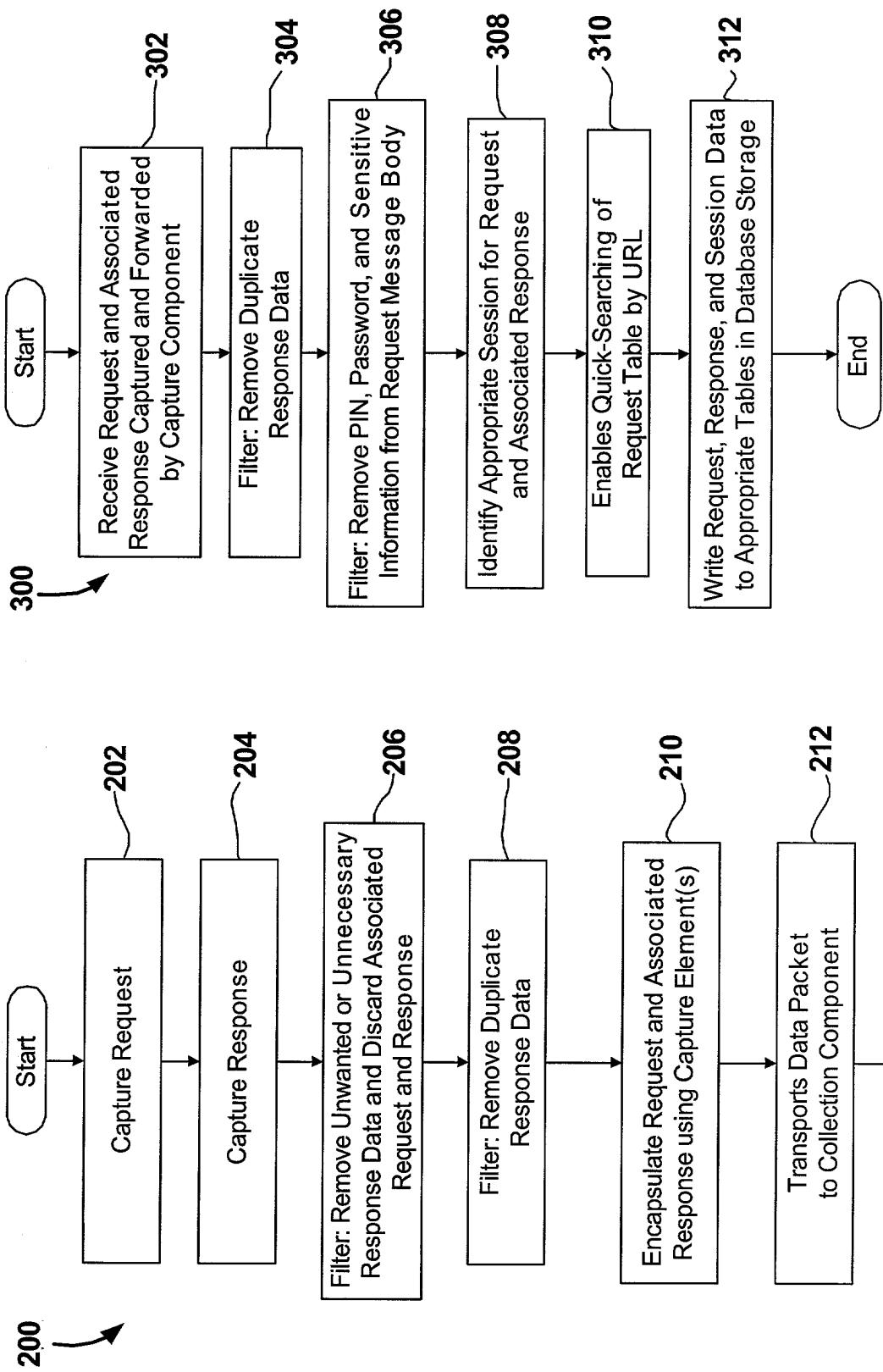
**Fig. 2b**

**Fig. 3**



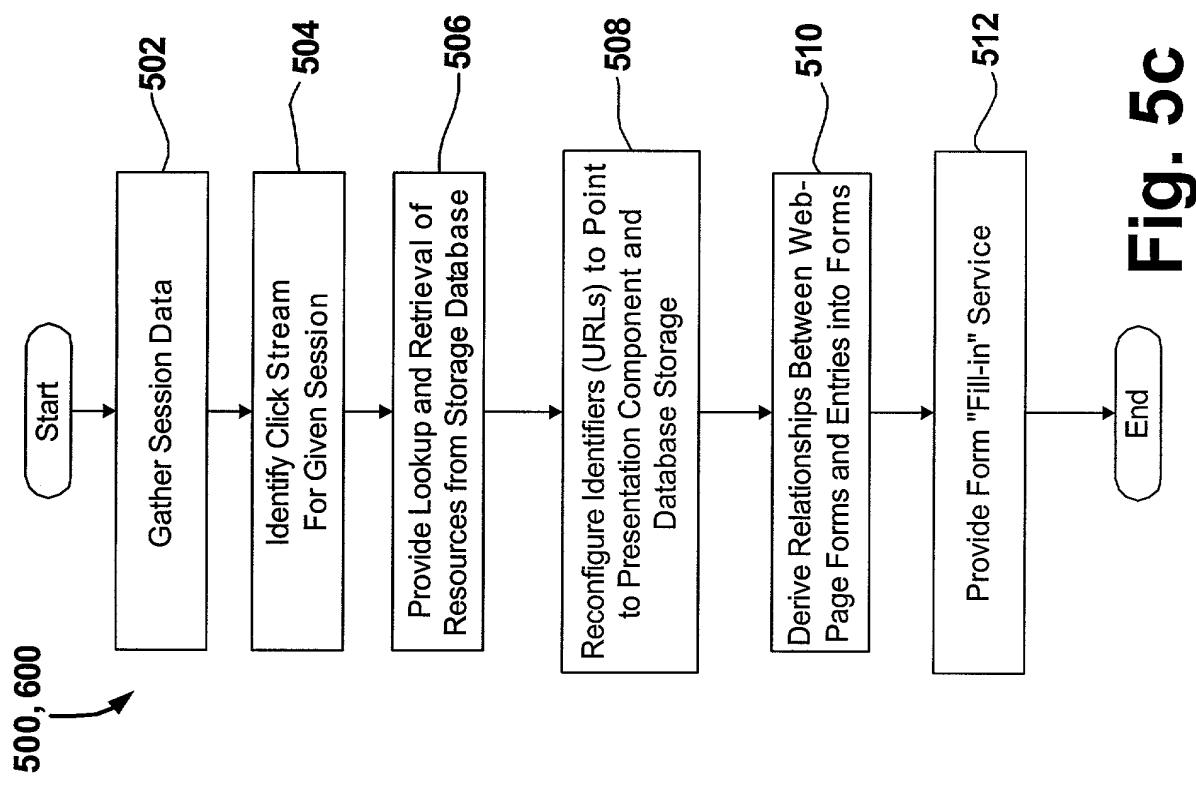
**Fig. 4**





**Fig. 5b**

**Fig. 5a**



**Fig. 5c**

202, 210

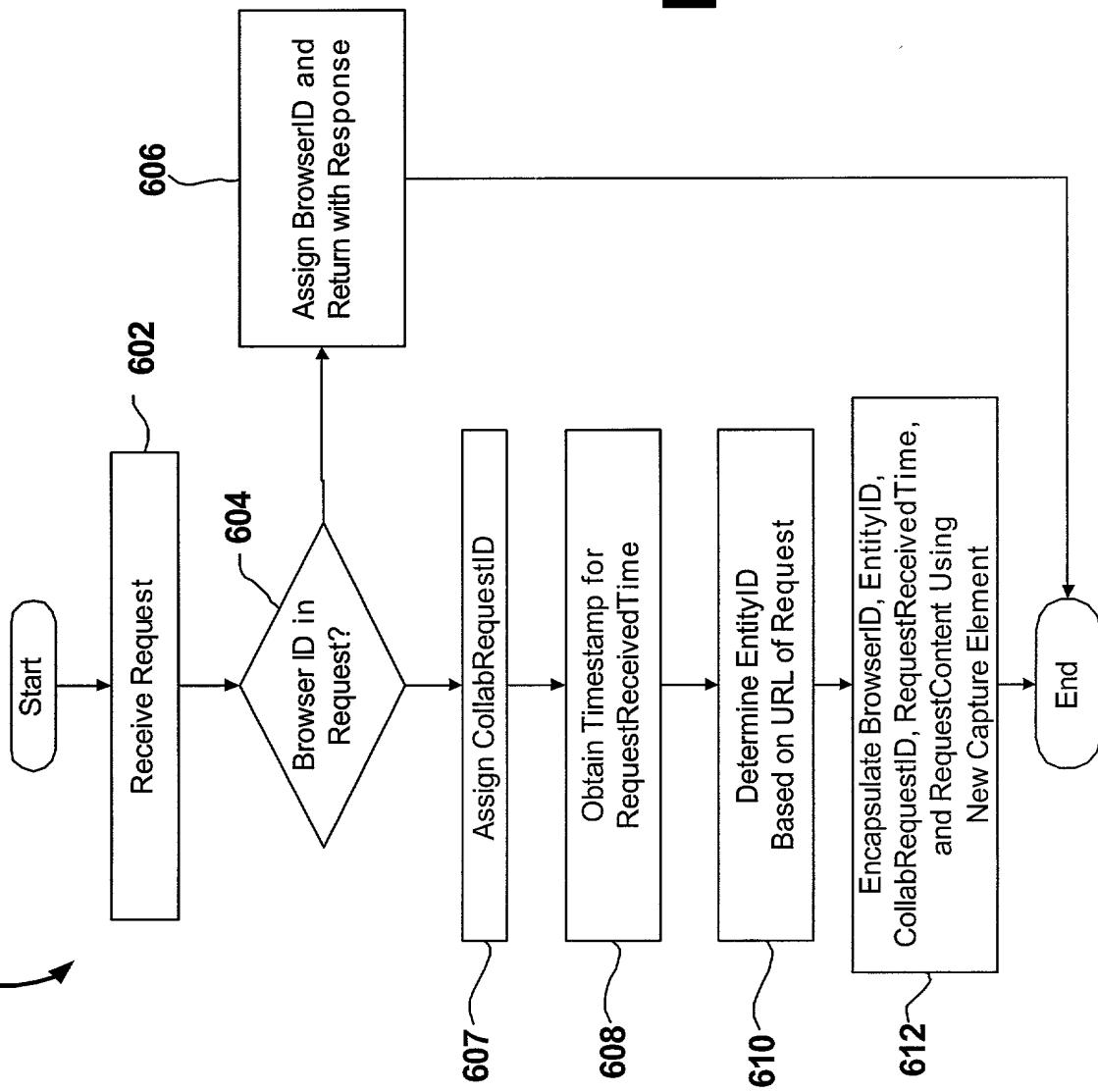
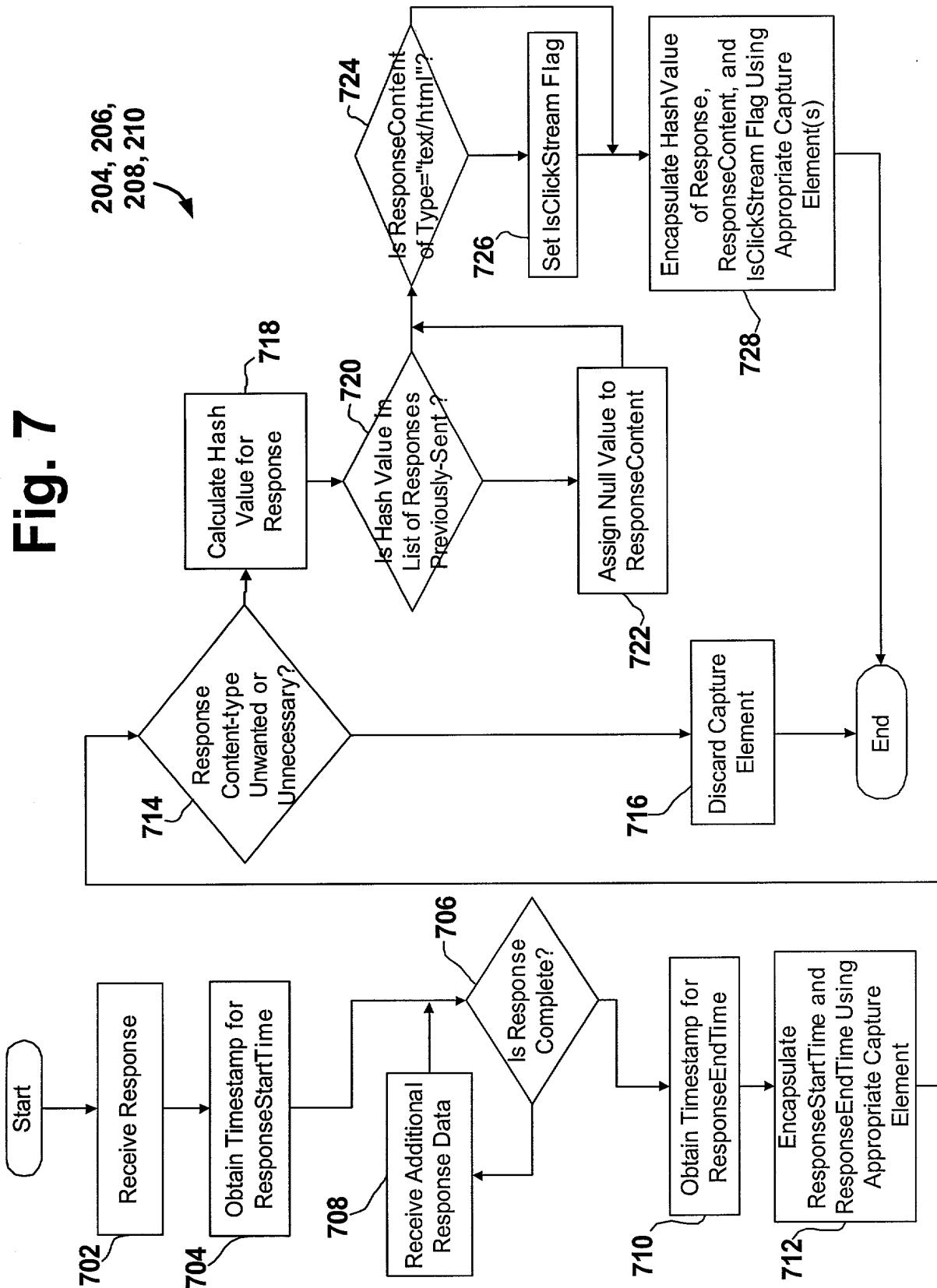


Fig. 6

**Fig. 7**



Capture Element (Request/Response Pair) (800a)

802	803	804	805	806	808	810	812	814	816
Browser ID	Entity ID	CollabRequestID	RequestReceivedTime	Request Content	ResponseStartTime	ResponseEndTime	Hash Value of Response	Response Content	Is Click Stream (flag)

**Fig. 8a**

Capture Element (Request only) (800b)

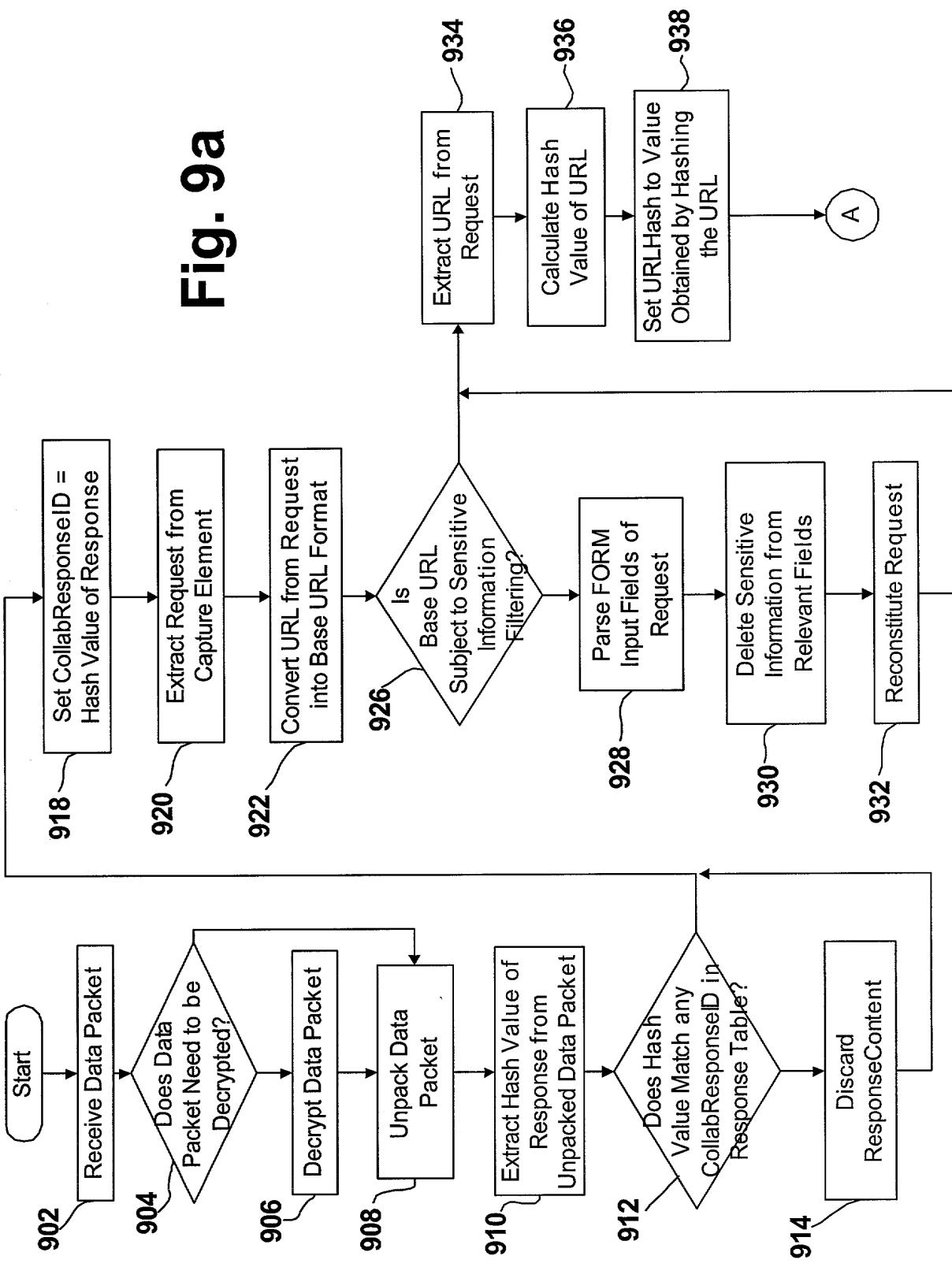
802	803	804	805	806	808	810	812	816
BrowserID	EntityID	CollabRequestID	RequestReceivedTime	Request Content	ResponseStartTime	ResponseEndTime	Hash Value of Response	Is Click Stream (flag)

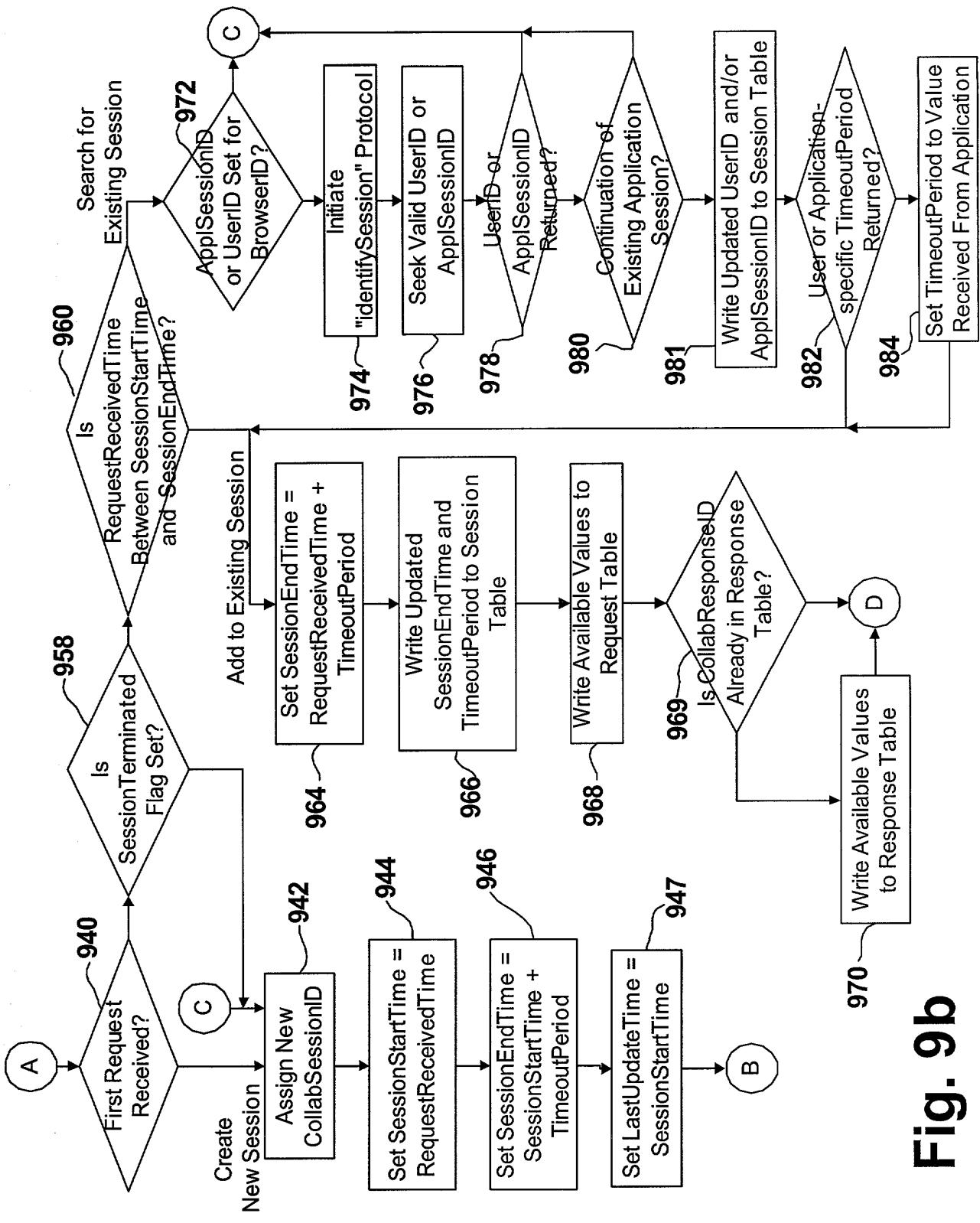
**Fig. 8b**

Capture Element (Response only) (800c)

812	814
Hash Value of Response	ResponseContent

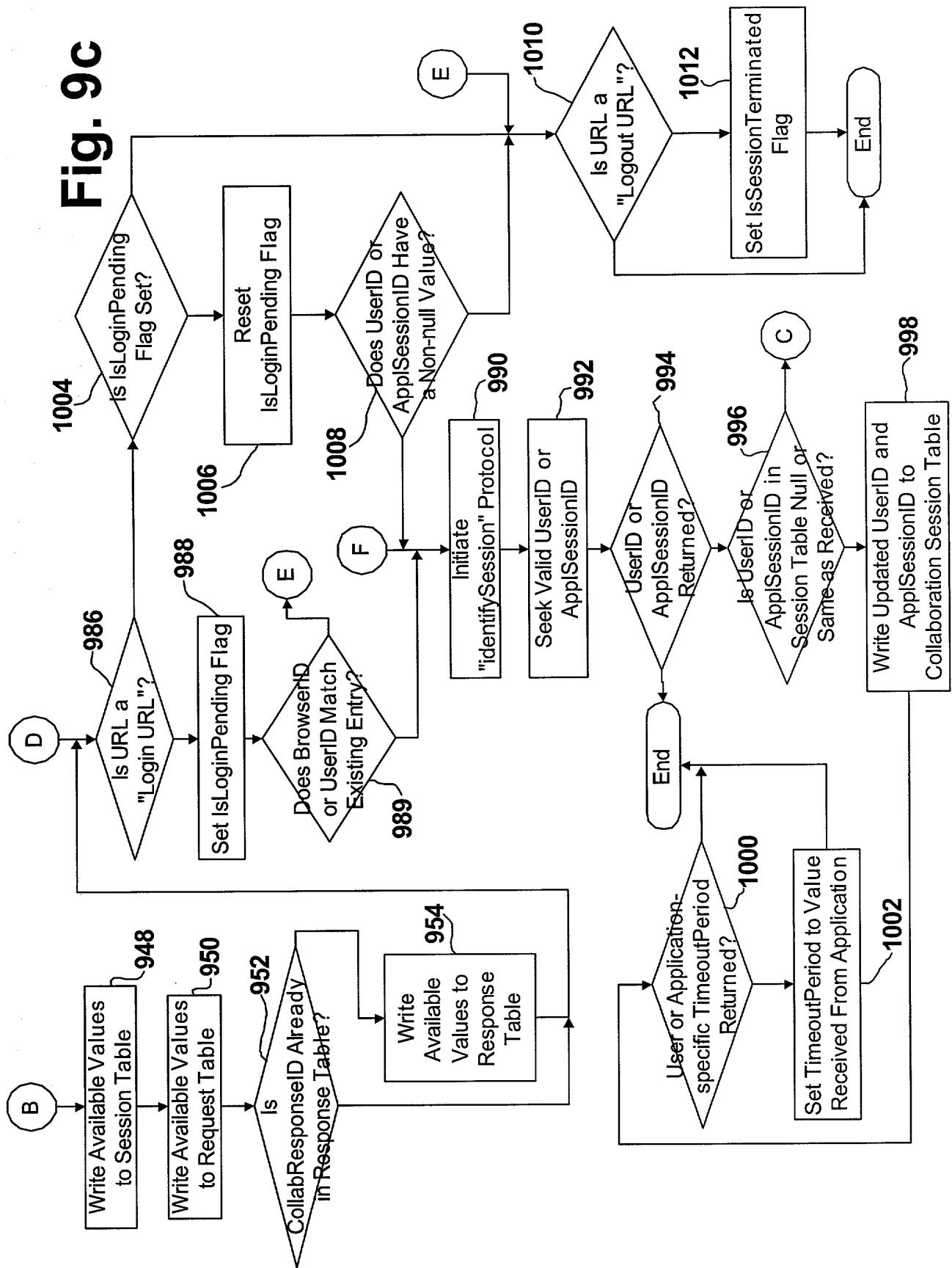
**Fig. 8c**





**Fig. 9b**

**Fig. 9c**



**Session Table (1052)**

Record #	1	2	3	4	...	x
CollabSessionID						
BrowserID						
UserID						
AppSessionID						
EntityID						
SessionStartTime						
SessionEndTime						
LastUpdateTime						
TimeoutPeriod						
IsLoginPending (flag)						
IsSessionTerminated (flag)						

**Fig. 10a**

**Request Table (1054)**

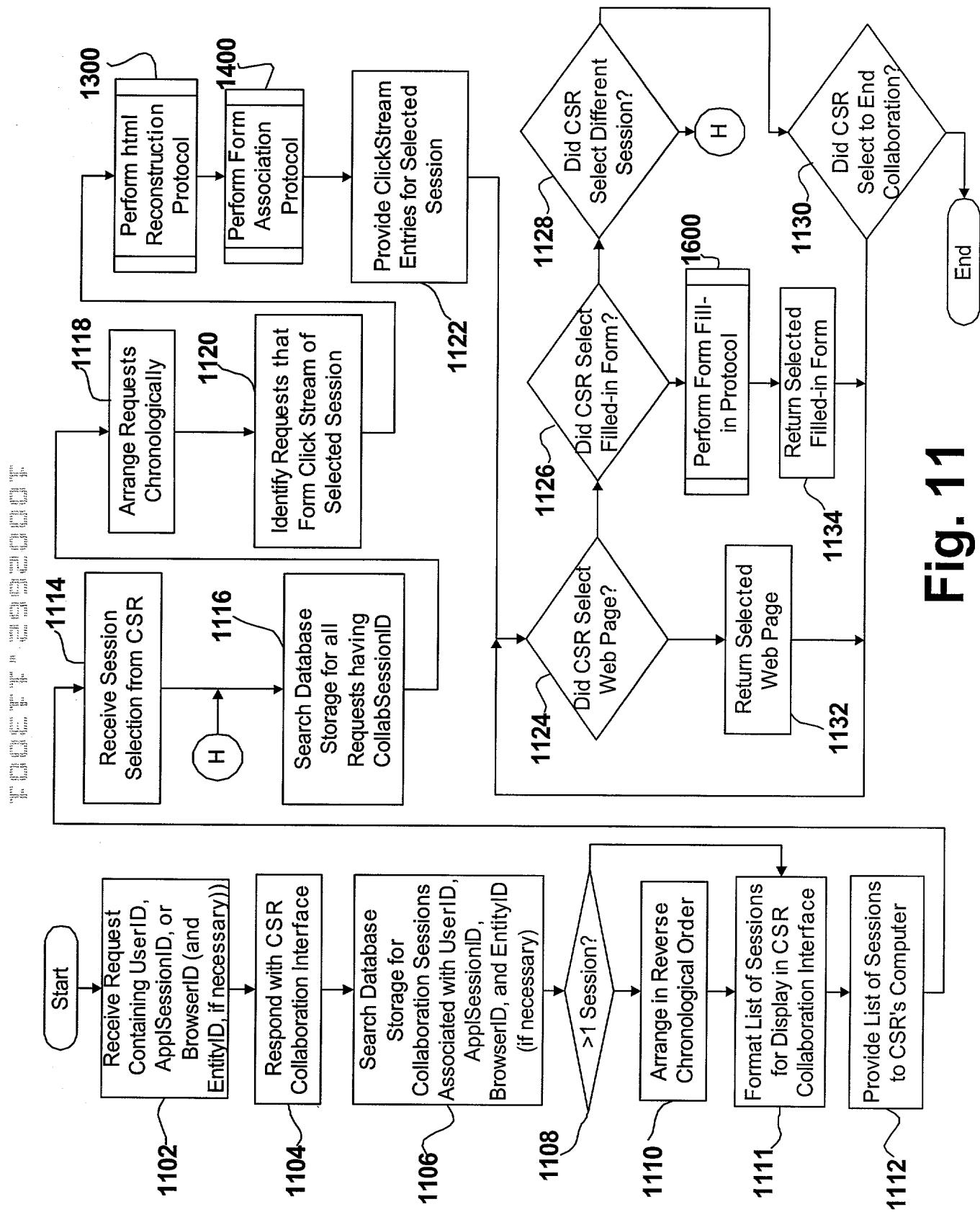
Record #	1	2	3	4	...	y
CollabSessionID						
CollabRequestID						
RequestContent						
RequestReceivedTime						
URLHash						
CollabResponseID						
ResponseStartTime						
ResponseEndTime						
IsClickStream (flag)						

**Fig. 10b**

**Response Table (1056)**

Record #	1	2	3	4	...	z
CollabResponseID						
ResponseContent						

**Fig. 10c**

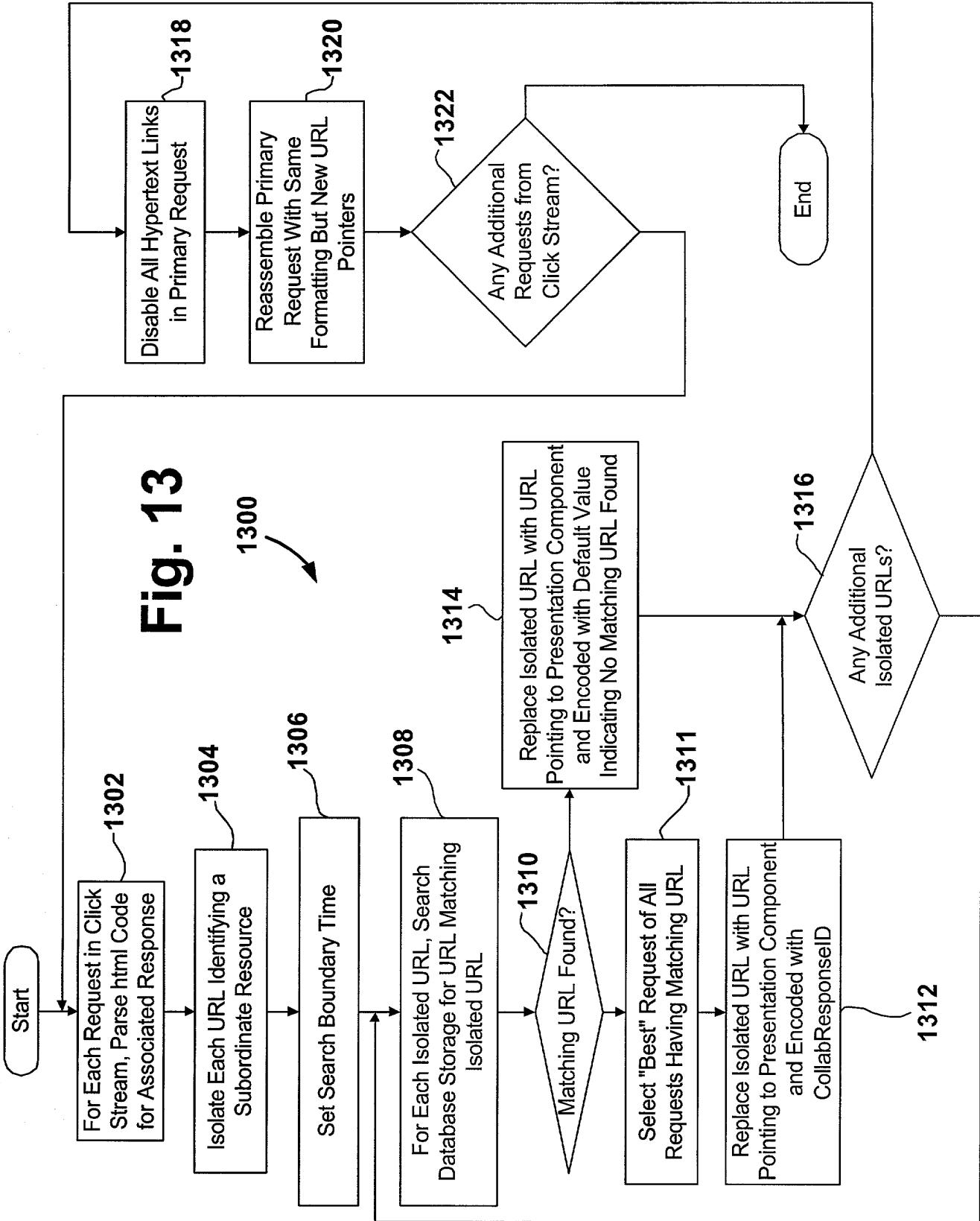


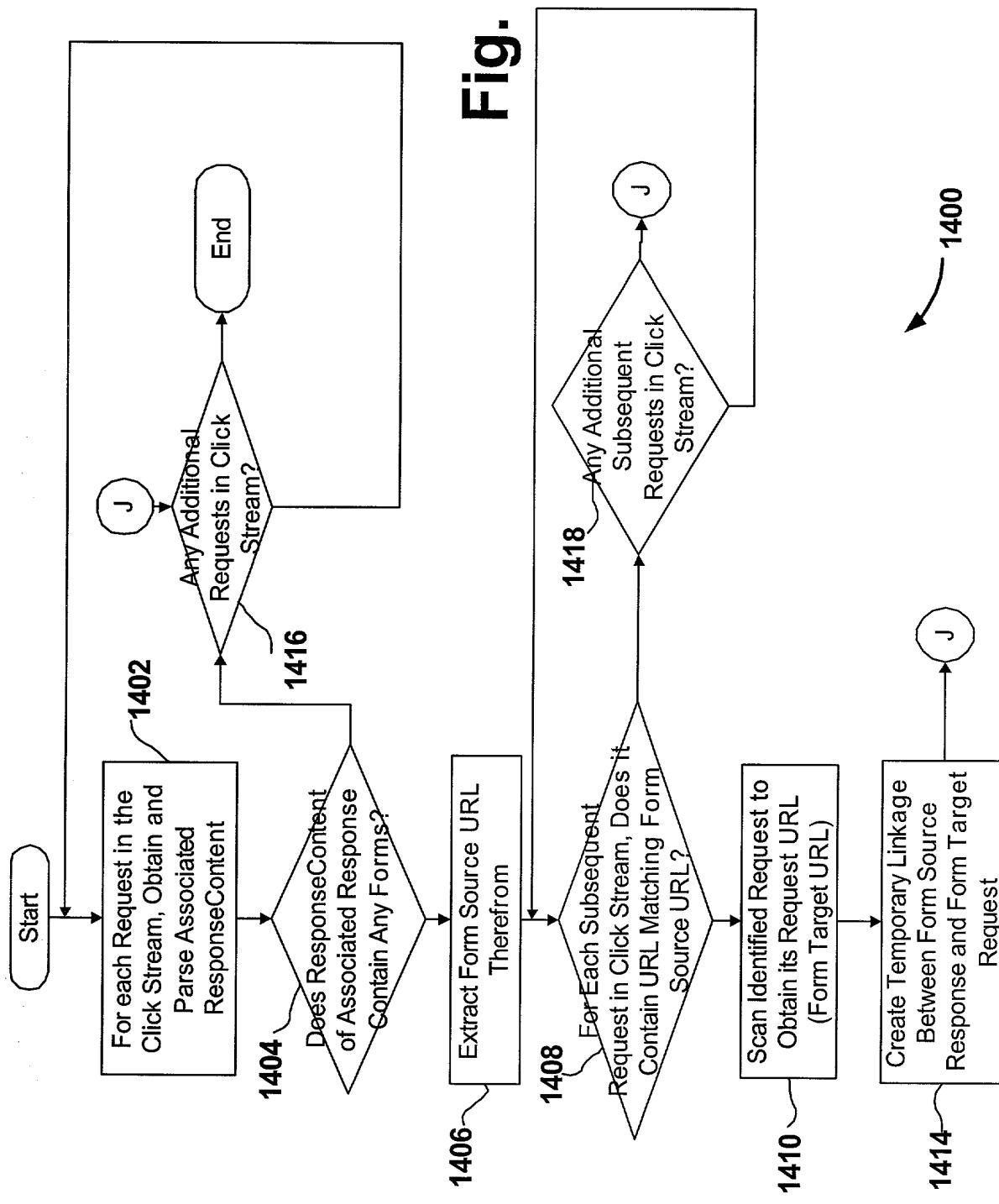
**Fig. 11**

**Single Web Session**

	<u>Request</u>	<u>Resources Referenced in Content of Corresponding Response</u>
CS	<b>FirstPage.html</b>	MyStyle.css FirstPic.jpg
	MyStyle.css	
	FirstPic.jpg	
CS	<b>SecondPage.html</b>	MyStyle.css FirstPic.jpg SecondPic.jpg
	SecondPic.jpg	
CS	<b>ThirdPage.html</b>	MyStyle.css FirstPic.jpg SecondPic.jpg
CS	<b>FourthPage.html</b>	

**Fig. 12**





**Fig. 14**

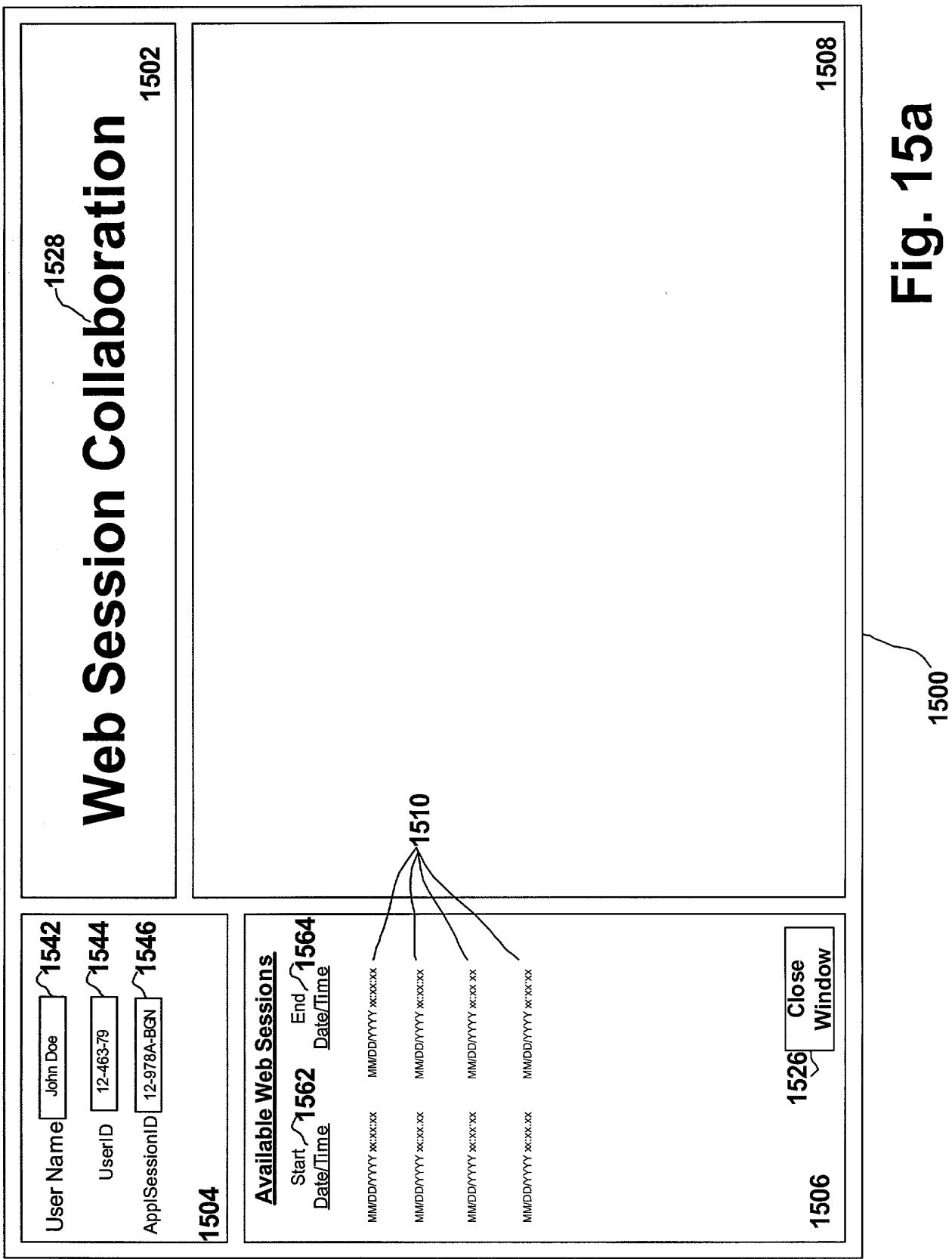
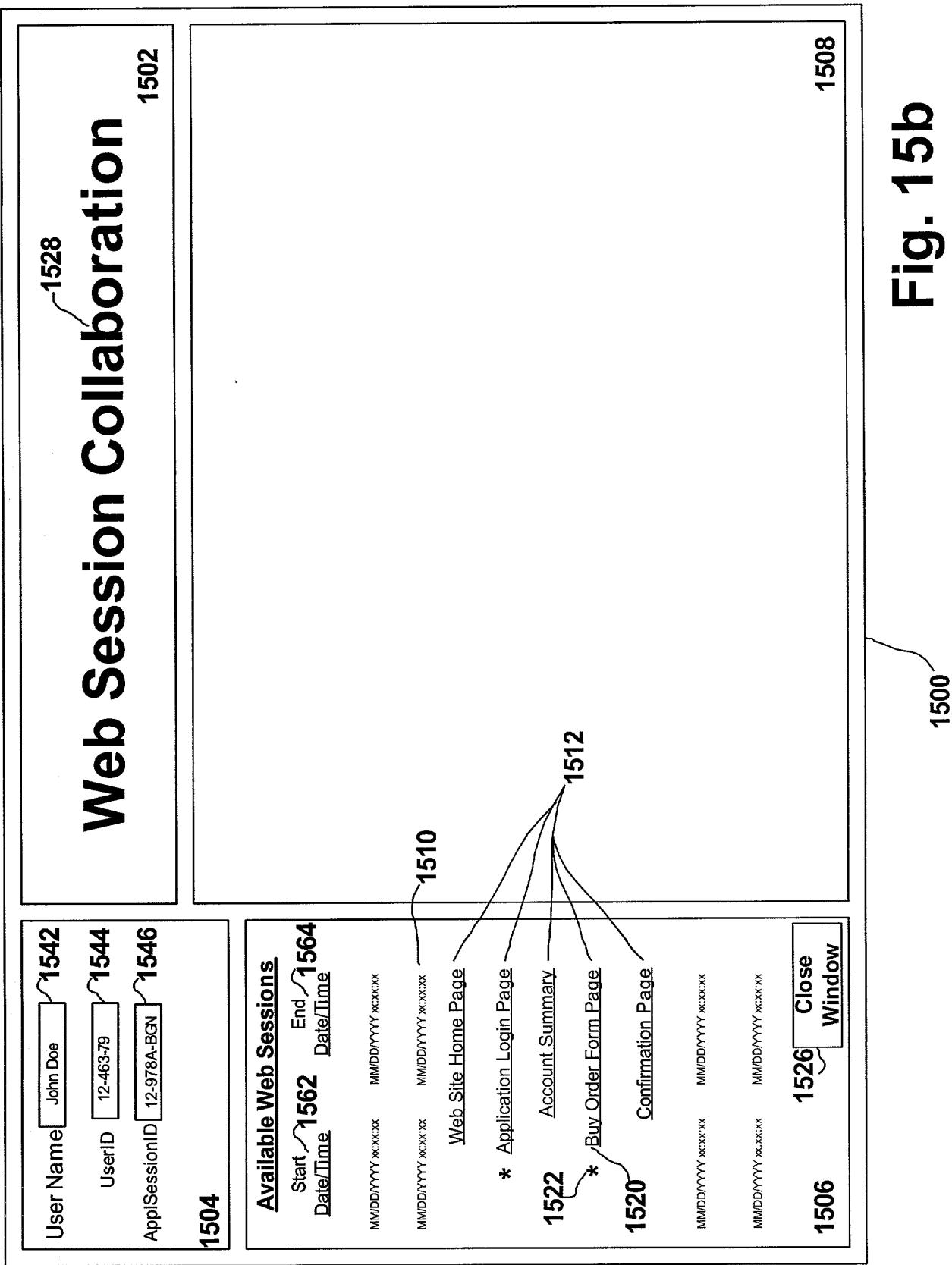


Fig. 15a

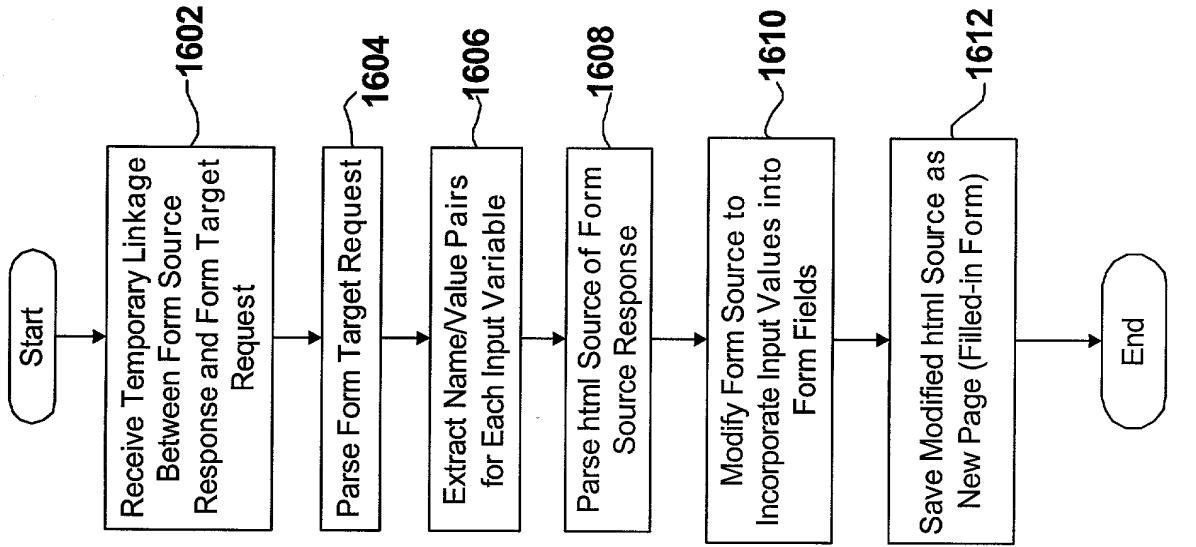


User Name <input type="text" value="John Doe"/> <b>1542</b>	User ID <input type="text" value="12-463-79"/> <b>1544</b>	AppSessionID <input type="text" value="12-978a-BGN"/> <b>1546</b>												
<b>Web Session Collaboration</b> <b>1502</b>														
<p><b>Available Web Sessions</b></p> <table border="1"> <tr> <td>Start <b>1562</b></td> <td>End <b>1564</b></td> <td>Date/Time</td> </tr> <tr> <td>MM/DD/YYYY xx:xx:xx</td> <td>MM/DD/YYYY xx:xx:xx</td> <td></td> </tr> <tr> <td>MM/DD/YYYY xx:xx:xx</td> <td>MM/DD/YYYY xx:xx:xx</td> <td></td> </tr> <tr> <td colspan="3"><a href="#">Web Site Home Page</a></td> </tr> </table> <p>* Application Login Page  <b>1522</b> Account Summary  <b>1520</b> * <a href="#">Buy Order Form Page</a>  <b>1520</b> Confirmation Page</p> <p>MM/DD/YYYY xx:xx:xx</p> <p>MM/DD/YYYY xx:xx:xx</p> <p><b>1526</b> <a href="#">Close Window</a> <b>1506</b></p> <p><b>1500</b></p>			Start <b>1562</b>	End <b>1564</b>	Date/Time	MM/DD/YYYY xx:xx:xx	MM/DD/YYYY xx:xx:xx		MM/DD/YYYY xx:xx:xx	MM/DD/YYYY xx:xx:xx		<a href="#">Web Site Home Page</a>		
Start <b>1562</b>	End <b>1564</b>	Date/Time												
MM/DD/YYYY xx:xx:xx	MM/DD/YYYY xx:xx:xx													
MM/DD/YYYY xx:xx:xx	MM/DD/YYYY xx:xx:xx													
<a href="#">Web Site Home Page</a>														
<p><b>Buy Order Form Page</b></p> <p>Enter Stock Symbol <input type="text"/></p> <p>Select Payment Method <input type="text"/></p> <p>Number of Shares <input type="text"/></p> <p>Price per Share <input type="text"/></p> <p>Expiration Time <input type="text"/></p> <p>MM/DD/YYYY xx:xx:xx</p> <p>MM/DD/YYYY xx:xx:xx</p> <p><b>1508</b></p>														

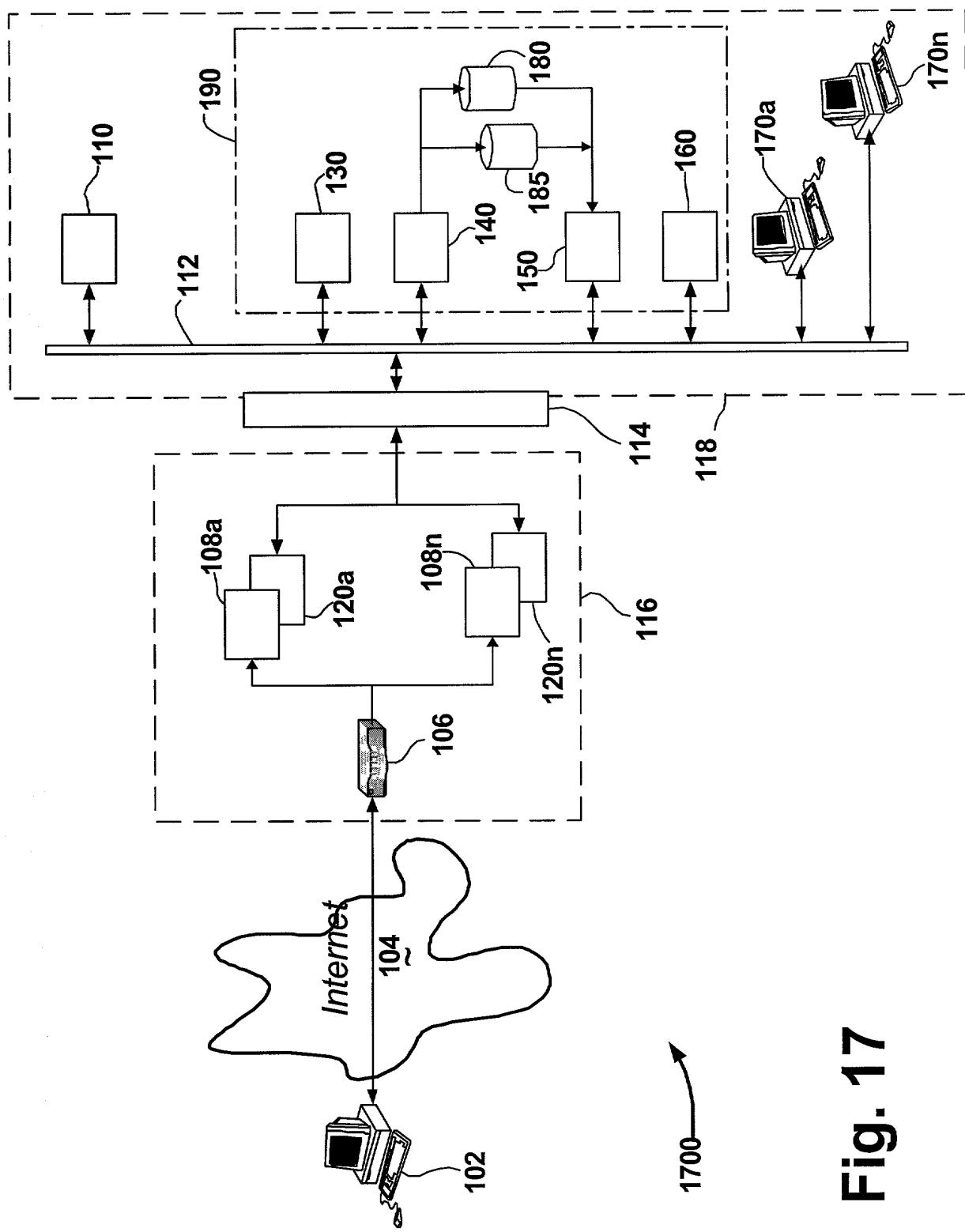
**Fig. 15c**

User Name <input type="text" value="John Doe"/> 1542	User ID <input type="text" value="12-463-79"/> 1544	ApplSessionID <input type="text" value="12-978A-BGN"/> 1546
1504		
<h2>Web Session Collaboration</h2> <p>1502</p>		
<h2>Buy Order Form Page</h2> <p>1504</p>		
<p><u>Available Web Sessions</u></p> <p>Start <input type="text" value="1562"/> End <input type="text" value="1564"/> Date/Time</p> <p>MM/DD/YYYY xx:xx:xx</p> <p>MM/DD/YYYY xx:xx:xx</p> <p>Web Site Home Page</p> <ul style="list-style-type: none"> <li>* Application Login Page</li> <li>Account Summary</li> <li><u>Buy Order Form Page</u></li> <li>Confirmation Page</li> </ul> <p>1522 * 1520 1506</p> <p>MM/DD/YYYY xx:xx:xx</p> <p>MM/DD/YYYY xx:xx:xx</p> <p>1526 Close Window</p> <p>1532</p> <p>1508</p> <p>1500</p>		

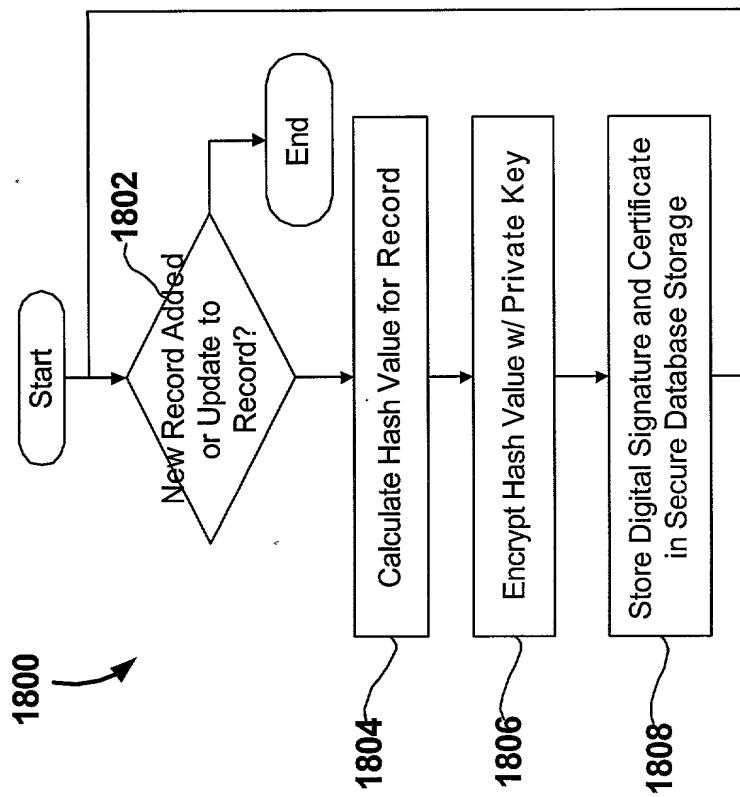
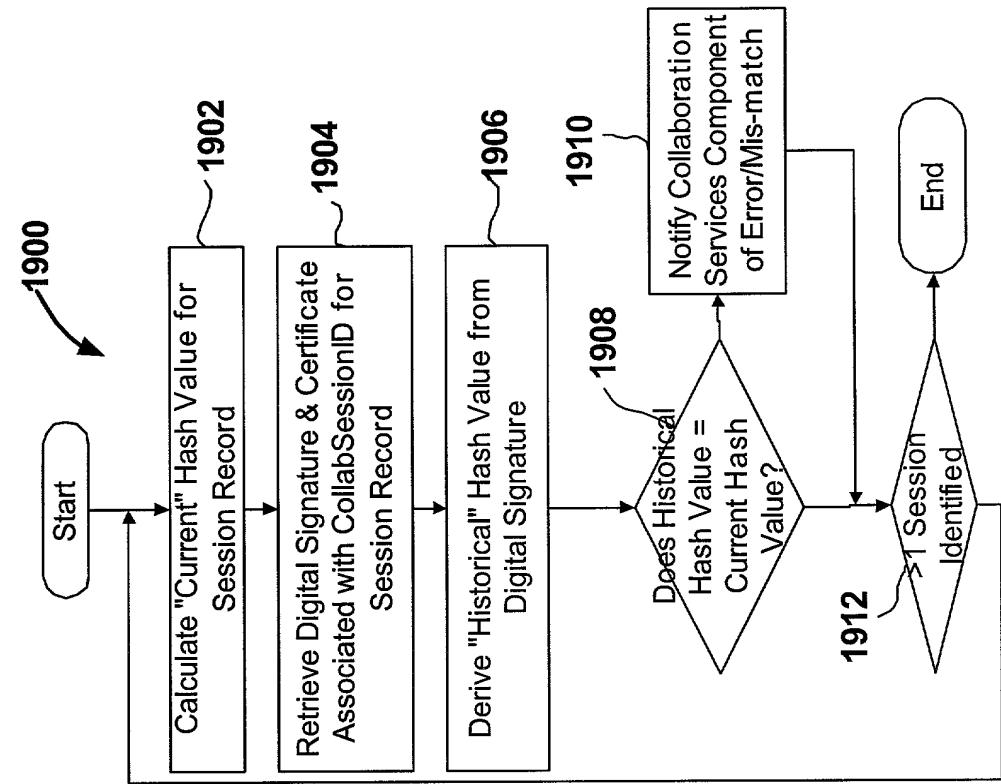
Fig. 15d



**Fig. 16**

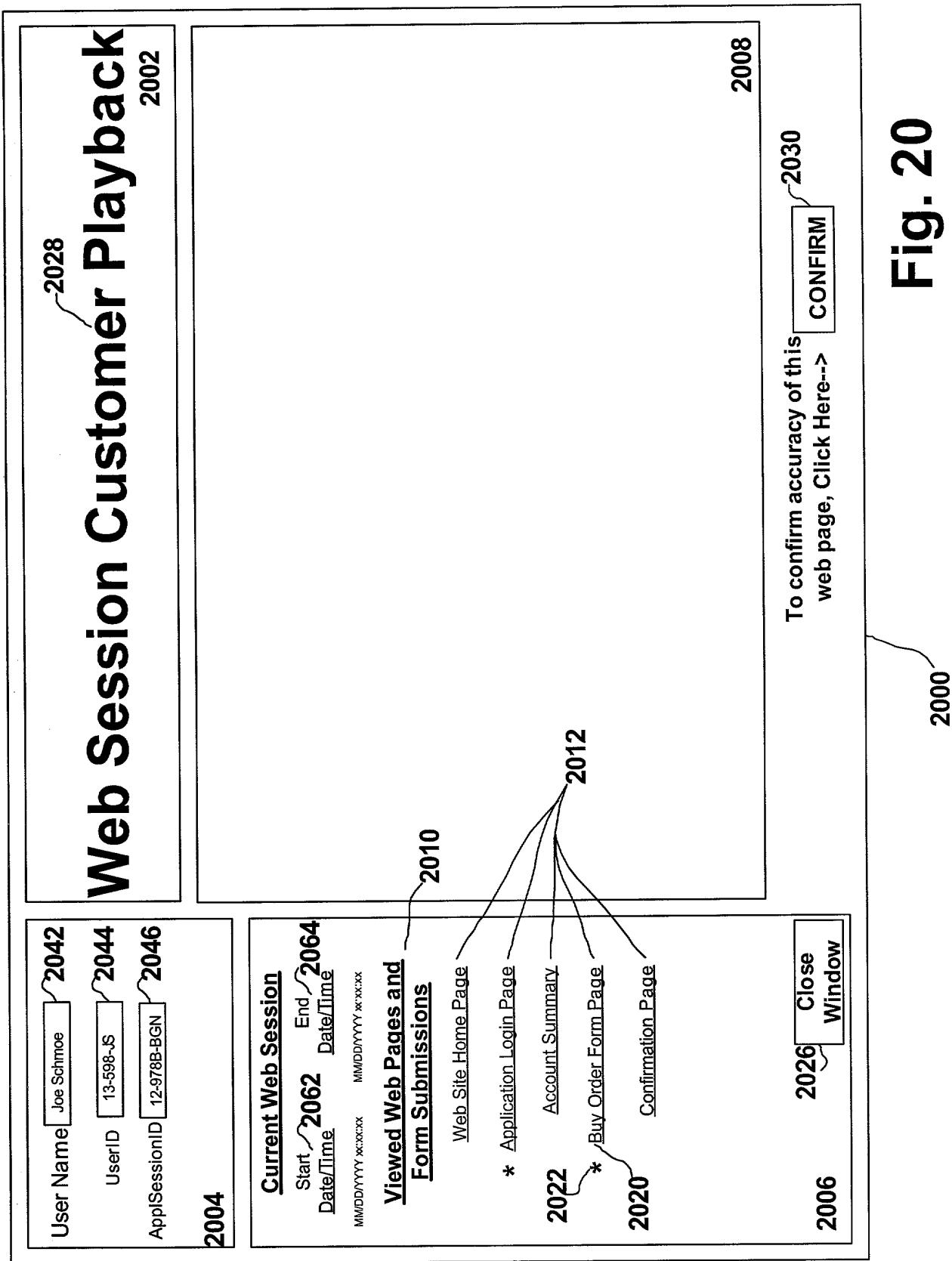


**Fig. 17**

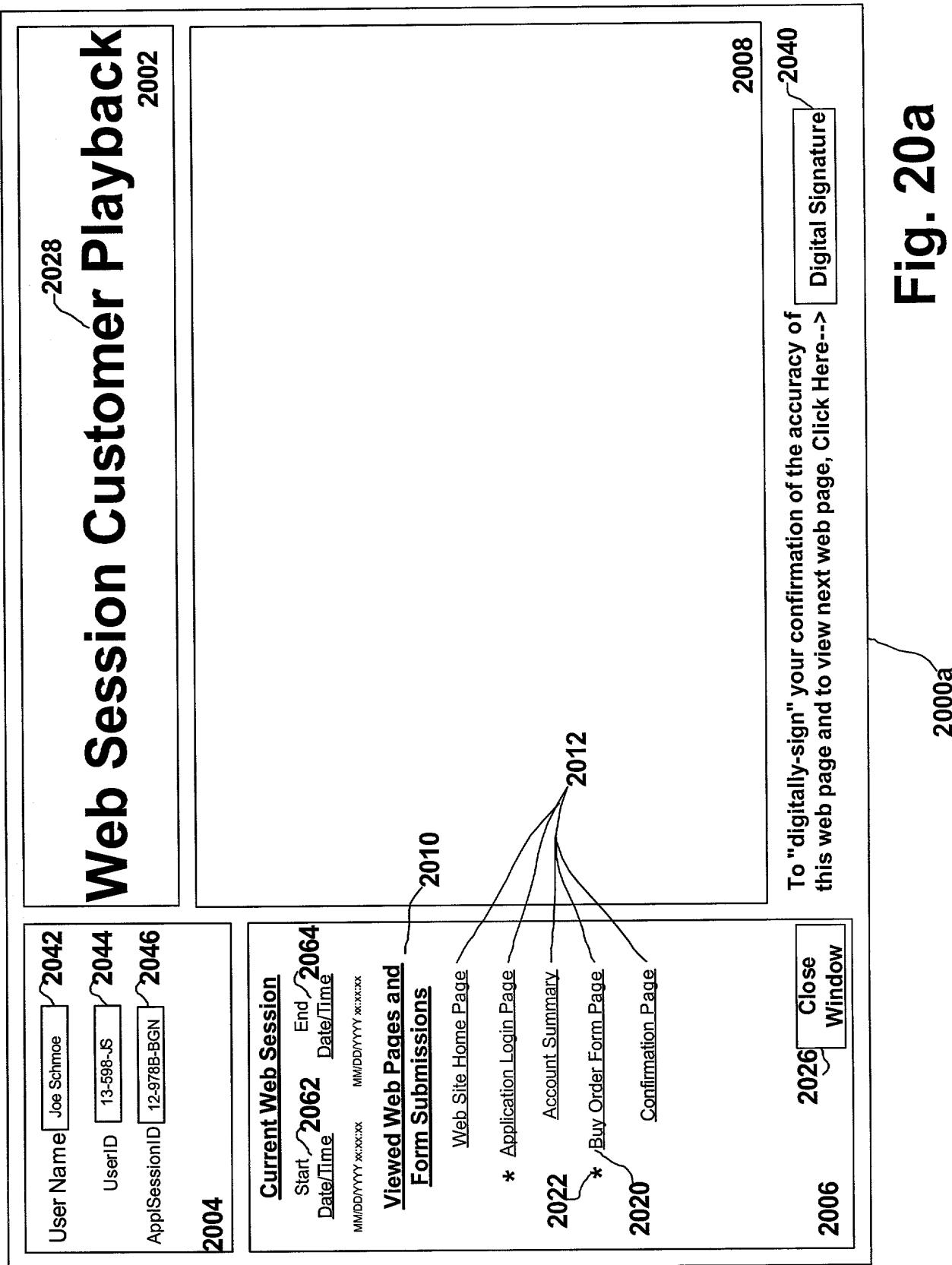


**Fig. 18**

**Fig. 19**

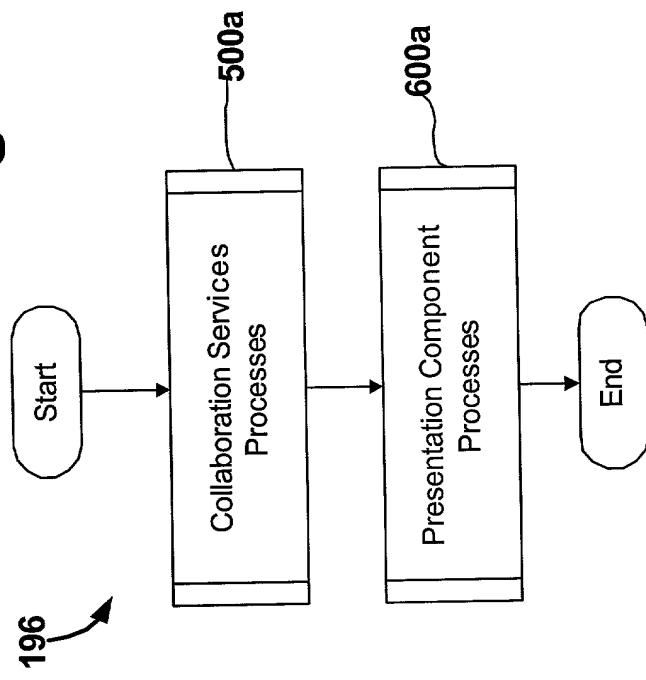


**Fig. 20**



**Fig. 20a**

**Fig. 21**



**Fig. 22**

